

FIG. 1

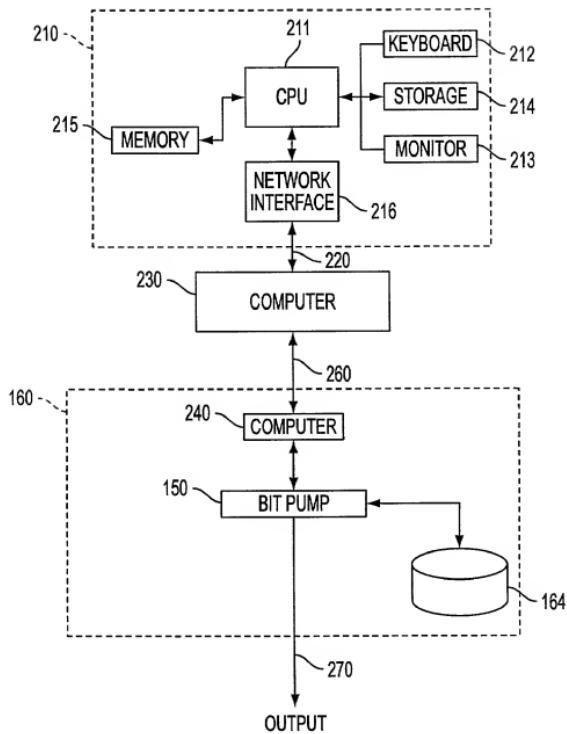


FIG. 2

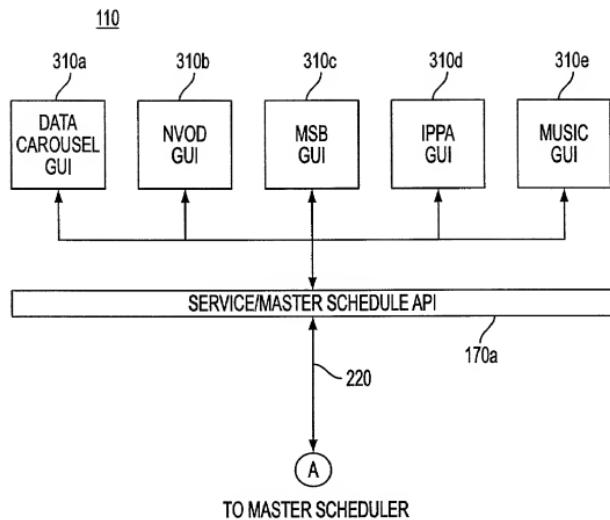


FIG. 3A

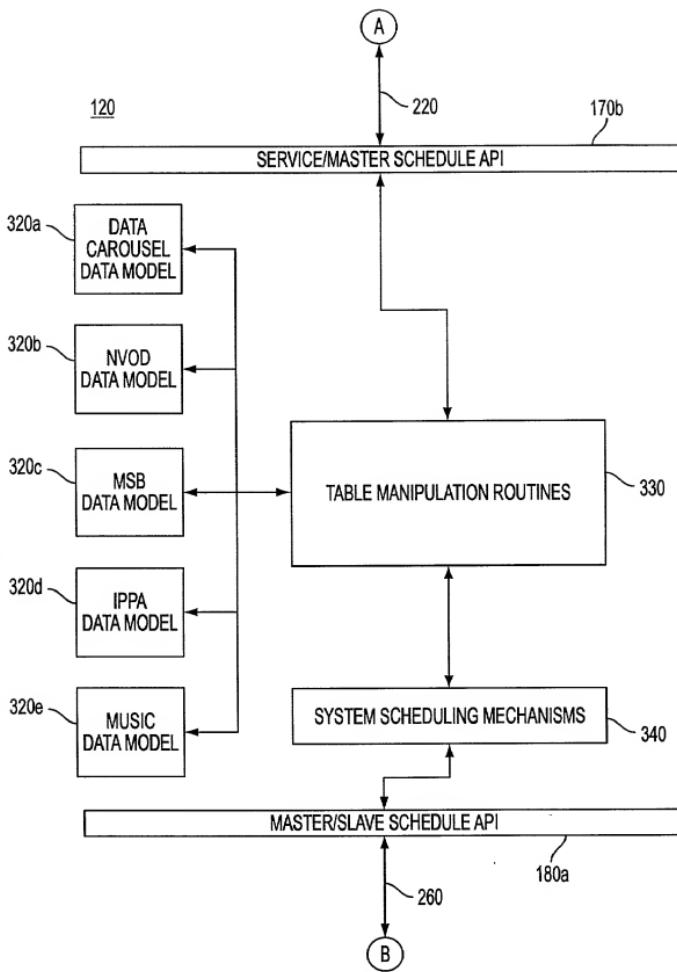


FIG. 3B

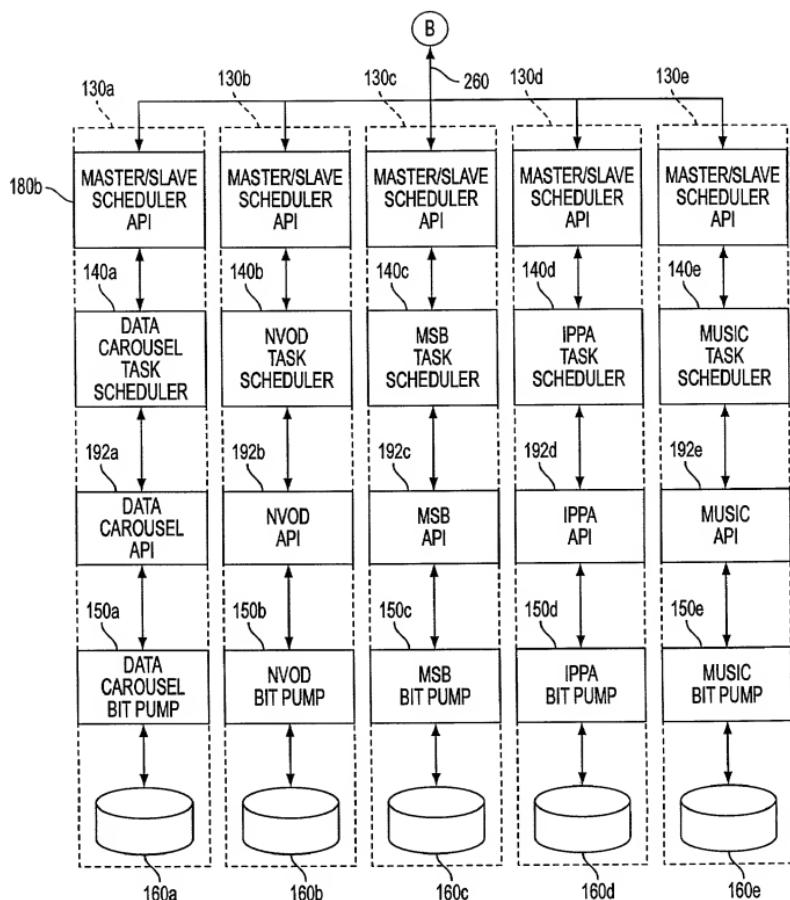


FIG. 3C

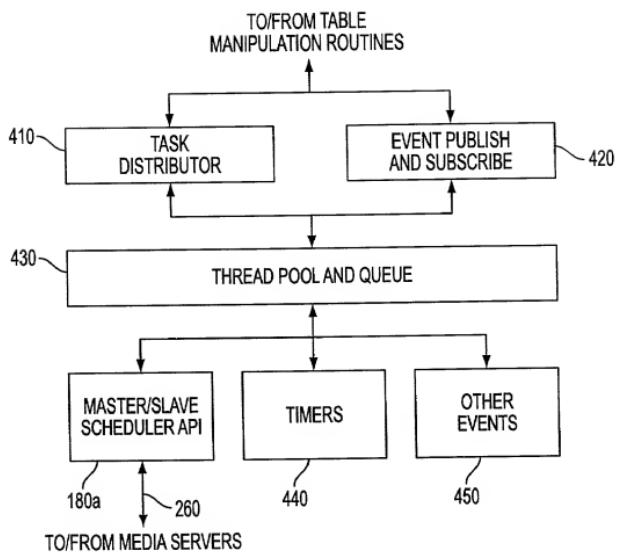


FIG. 4A

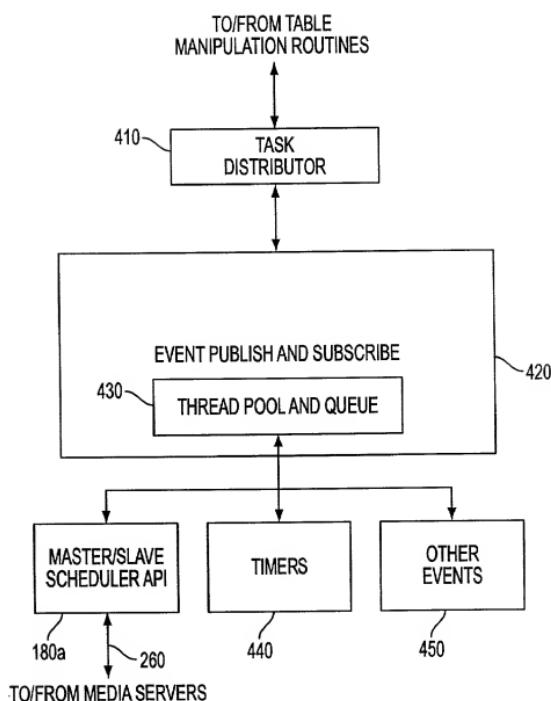


FIG. 4B

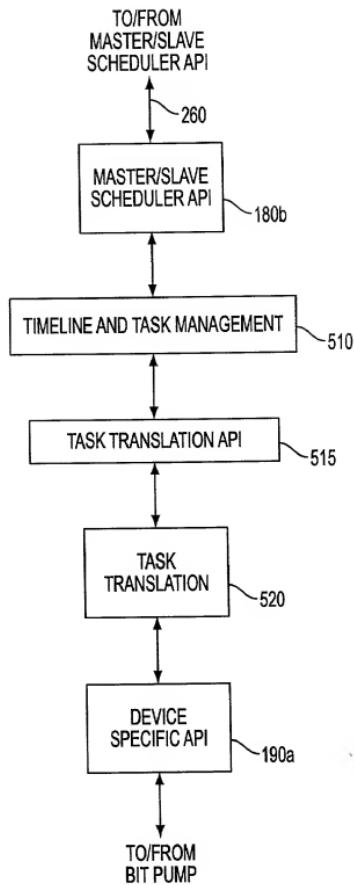


FIG. 5

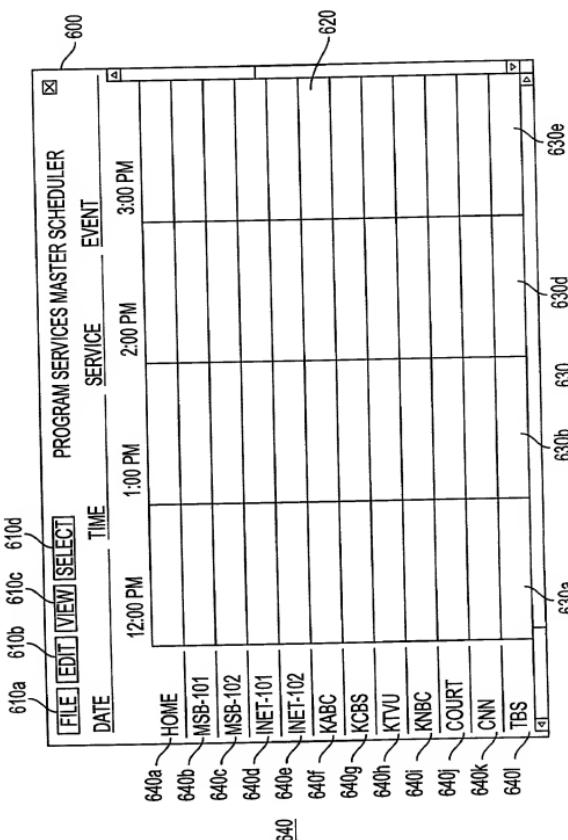


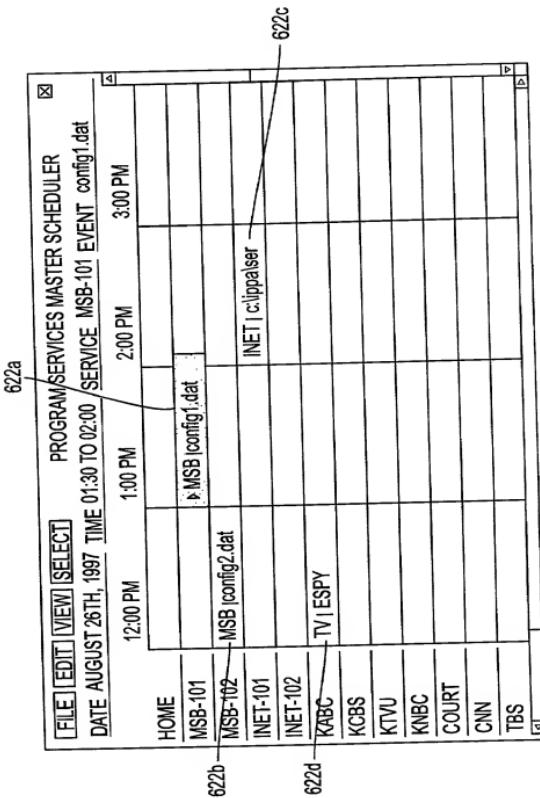
FIG. 6

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700

SELECT A DATE AND TIME	
YEAR.....	<input type="text" value="1997"/>
MONTH.....	<input type="text" value="AUGUST"/>
DAY.....	<input type="text" value="26TH"/>
HOUR.....	<input type="text" value="12:00 PM"/>
<input type="button" value="CANCEL"/> <input type="button" value="DONE"/>	

FIG. 7



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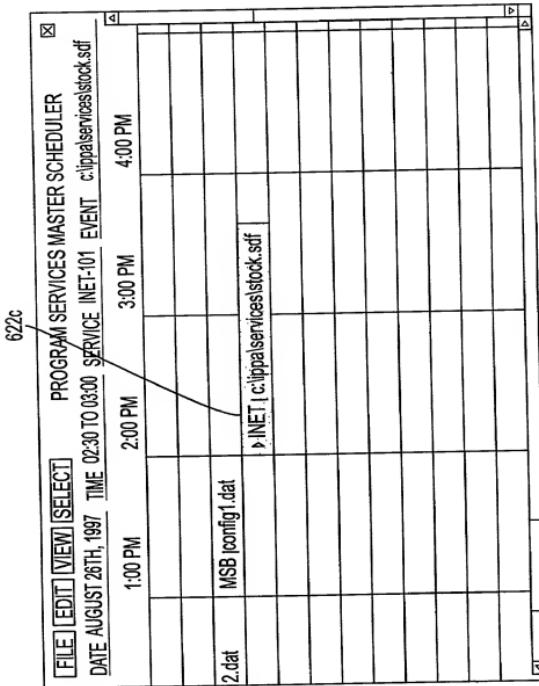


FIG. 9

6220 1001

FILE		EDIT		VIEW		SELECT		PROGRAM SERVICES MASTER SCHEDULER				<input checked="" type="checkbox"/>	
								DATE AUGUST 26TH, 1987 TIME 12:00 TO 01:00 SERVICE KABC EVENT ESPY.MPG					
12:00 PM		1:00 PM		2:00 PM		3:00 PM		12:00 PM		1:00 PM		2:00 PM	
HOME								MSB-101	MSB config1.dat				
MSB-101								MSB-102	MSB config2.dat				
MSB-102								INET-101					
INET-101								INET-102					
INET-102								KABC	→ TV ESPY				
KABC								KCBS					
KCBS								KTVU					
KTVU								KNBC					
KNBC								COURT					
COURT								CNN					
CNN								TBS					
TBS													

FIG. 10

TV|ESPY

FILE EDIT VIEW SELECT

DATE AUGUST 26TH, 1997 TIME 12:00 TO 01:00 SERVICE KABC EVENT sworks.2mt

PROGRAM SERVICES MASTER SCHEDULER

	12:00 PM	1:00 PM	2:00 PM	3:00 PM
HOME				
MSB-101		MSB config .dat		
MSB-102	MSB config2 .dat			
1001			INET cliparser	
INET-101				
INET-102				
622d				
KABC		→TV ESPY		
KCBS		+>GDC sworks.2mt		
KTVU				
KNBC				
COURT				
CNN				
TBS				

FIG. 11

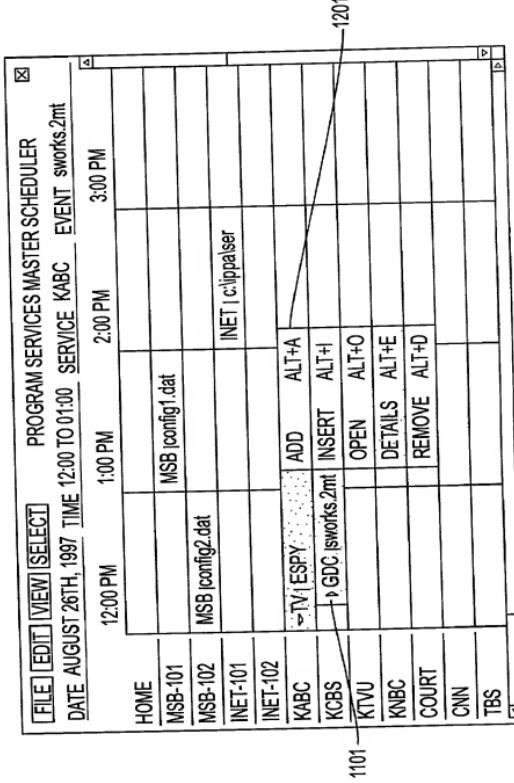


FIG. 12

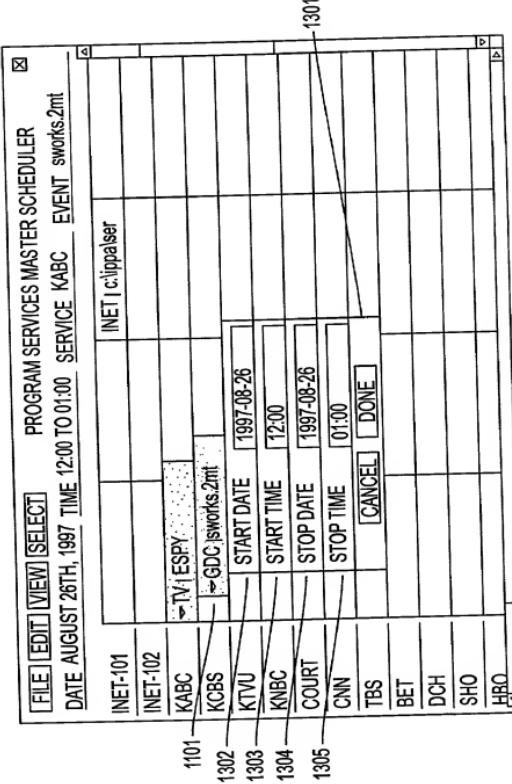


FIG. 13

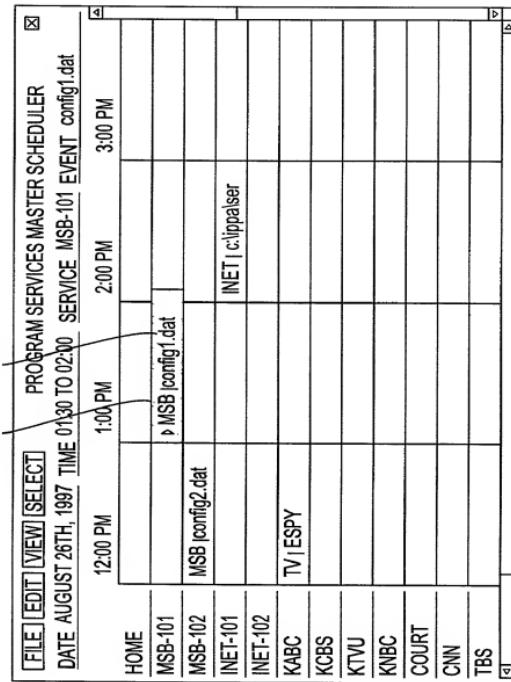
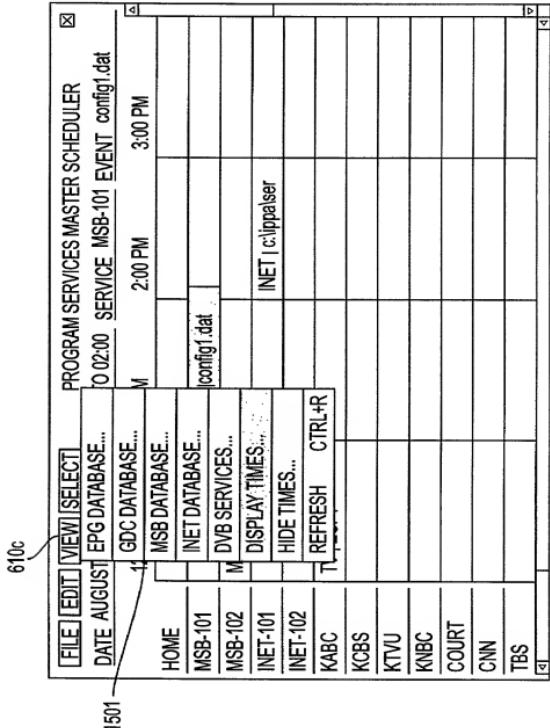


FIG. 14



622a

PROGRAM SERVICES MASTER SCHEDULER			
DATE AUGUST 26TH, 1997 TIME 01:30 TO 02:00		SERVICE	MSB-101 EVENT config1.dat
	12:00 PM	1:00 PM	2:00 PM
HOME			3:00 PM
MSB-101			
MSB-102	MSB config2.dat		
INET-101			
INET-102			
KABC			
TV ESPY			
KCBS			
KTIU			
KNBC			
COURT			
CNN			
TBS			

FIG. 16

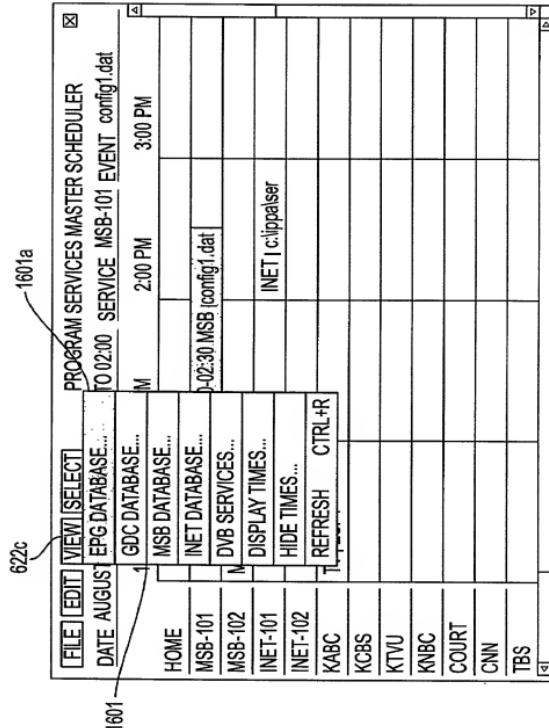


FIG. 17

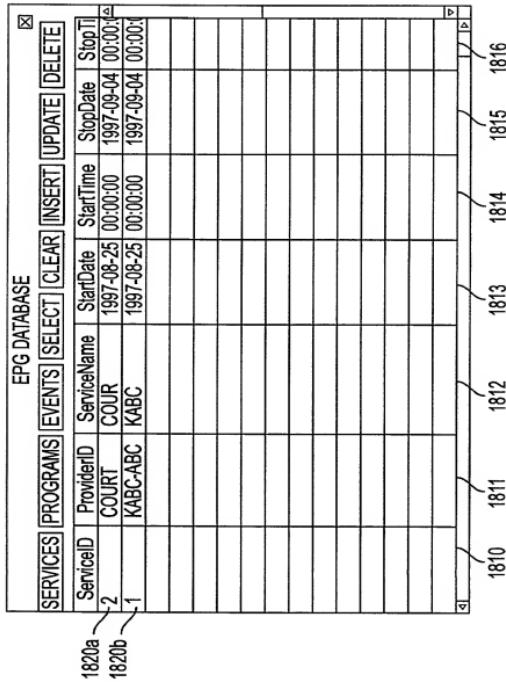


FIG. 18

FIG. 19

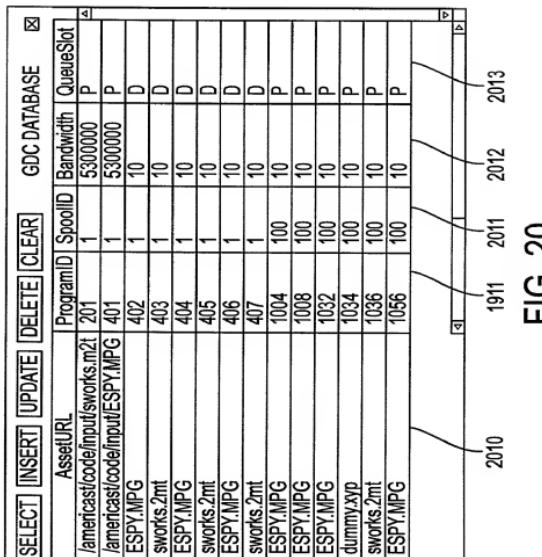


FIG. 20

MSB DATABASE

PROGRAMS EVENTS TYPES SELECT CLEAR INSERT UPDATE DELETE					
ProgramID... <input type="text" value="1010"/>	START DATE... <input type="text" value="1997-08-26"/>	START TIME... <input type="text" value="12:00:00"/>	End Time... <input type="text" value="01:00:00"/>		
CombindID... <input type="text" value="102"/>	END DATE... <input type="text" value="1997-08-26"/>				
ProgramID	CombindID	StartDate	StartTime	StopDate	StopTime
100	102	1997-09-05	23:59:00	1997-09-05	23:59:30
200	103	1997-09-05	23:59:00	1997-09-05	23:59:30
1010	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1018	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1020	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1022	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1024	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1026	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1028	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1038	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1911	2110	2111	2112	2113	2114

FIG. 21

NET DATABASE			
SELECT	CLEAR	INSERT	UPDATE
DESCRIP FILE.....		c:\ippaservices\weathersdf	
ServiceID.....	20	START DATE...	1997-09-08
SERVICE NAME...	WeatherService	END DATE.....	1997-09-08
SvcDescFile	ProgramID	ServiceID	ServiceName
c:\ippaservices\stock.sdf	1000	10	StockService1
c:\ippaservices\weather.sdf	1001	20	WeatherService1
c:\ippaservices\traffic.sdf	1002	30	TRAFFIC
c:\ippaservices\stock.sdf	1006	0	SERVICE DESCRIPTION FILE
c:\ippaservices\traffic.sdf	1012	0	WEATHER IPPA
c:\ippaservices\weather.sdf	1014	0	WEATHER IPPA
c:\ippaservices\stock.sdf	1016	0	WEATHER IPPA
c:\ippaservices\stock.sdf	1030	0	STOCK IPPA

FIG. 22

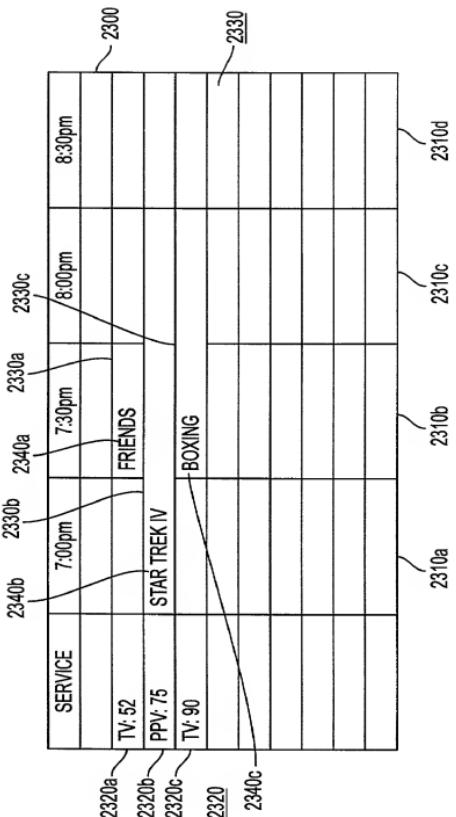


FIG. 23A

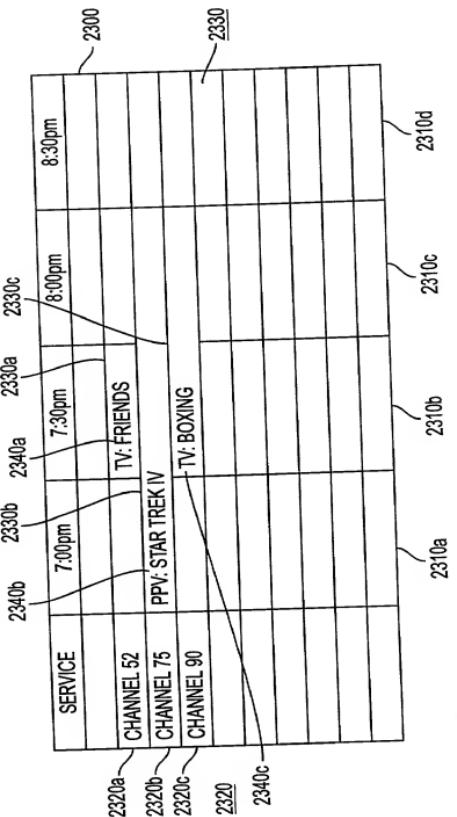


FIG. 23B

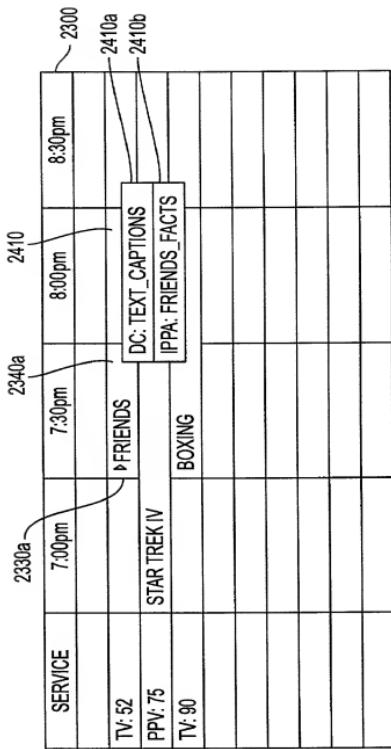


FIG. 24A

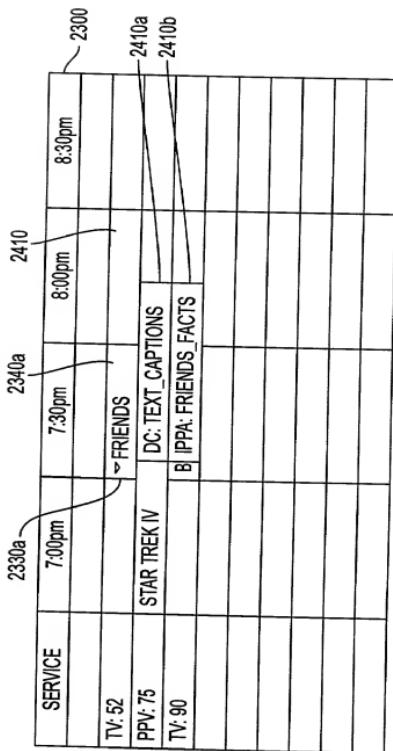


FIG. 24B

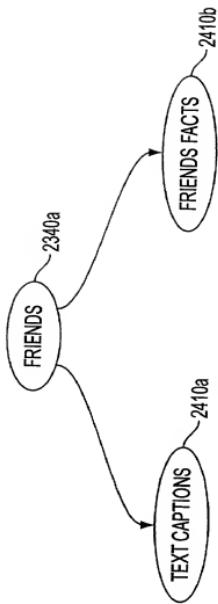


FIG. 24C

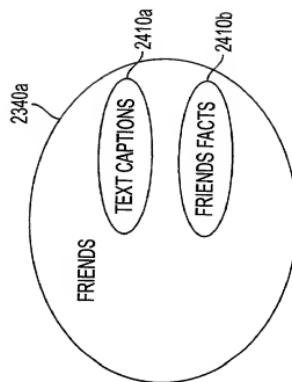


FIG. 24D

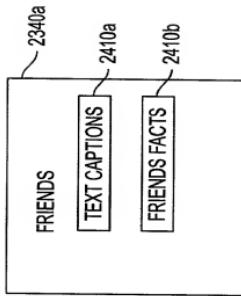


FIG. 24E

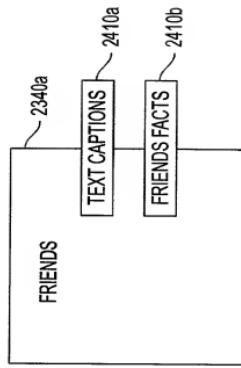


FIG. 24F

<u>2510</u>	<u>2521a</u>	<u>2520b</u>	<u>2520c</u>	<u>2520d</u>	<u>2520e</u>	<u>2520f</u>	<u>2520g</u>
	eventID	programID	channel	event name	start time	end time	service type
25210a	1	1	52	FRIENDS	7:30pm	8:00pm	TV
25210b	2	1	52	FRIENDS TEXT CAPTIONS	7:30pm	8:00pm	DC
25210c	3	1	52	FRIENDS FRIENDS_FACTS	7:30pm	8:00pm	IPPA
25210d	4	5	75	STAR TREK IV	7:00pm	8:30pm	NWOD
25210e	5	7	90	BOXING	7:00pm	8:30pm	TV

FIG. 25

<u>2610</u>	<u>2620a</u>	<u>2620b</u>	<u>2620c</u>	<u>2620d</u>	<u>2620e</u>
<u>262010a</u>	<u>eventID</u>	<u>FILENAME</u>	<u>SIZE</u>	<u>PID</u>	<u>TRANSPONDER</u>
	2	TEXT_CAPTIONS.txt	50K	90037	3

FIG. 26

<u>2710</u>	<u>2720a</u>	<u>2720b</u>	<u>2720c</u>	<u>2720</u>
<u>2710a</u>				<u>2700</u>

FIG. 27

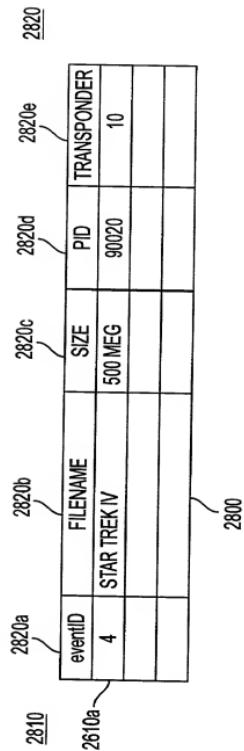


FIG. 28

	eventID	CHANGE TYPE
2910	2920a	2920b
2910a	1	CHANGE TIME
		2920c

FIG. 29

	eventID	CHANGE TYPE	REGISTERED PROCEDURE
3010	3020a	3020b	3020c
3010a	1	CHANGE TIME	Tmr_ChangeEventTime (2, <NEW TIME>)
3010b	1	CHANGE TIME	Tmr_ChangeEventTime (3, <NEW TIME>)

FIG. 30

FIG. 31

3200

<u>3210a</u>	<u>3210b</u>	<u>3210c</u>	<u>3210d</u>	<u>3210e</u>	<u>3210f</u>	<u>3210g</u>
DATE	START TIME	END TIME	TASKID	COMMAND	CMD DATA	ASSET LIST
1997-08-01	8:58:57pm	9:30pm	1:2	PLAY		TEXT_CAPTIONS.txt

FIG. 32A

3201

<u>3210a</u>	<u>3210b</u>	<u>3210c</u>	<u>3210d</u>	<u>3210e</u>	<u>3210f</u>	<u>3210g</u>	
DATE	START TIME	EXEC TIME	END TIME	TASKID	COMMAND	CMD DATA	ASSET LIST
1997-08-01	9:00pm	8:59:57pm	9:30pm	1:2	PLAY		TEXT_CAPTIONS.txt

FIG. 32B

3300

DATE	START TIME	END TIME	TASKID	COMMAND	CMD DATA	ASSET LIST
1997-08-01	8:59:57pm	9:30pm	1:3	PLAY		FRIENDS_FACTS.stdf

FIG. 33A

3301

DATE	START TIME	EXEC TIME	END TIME	TASKID	COMMAND	CMD DATA	ASSET LIST
1997-08-01	9:30pm	8:59:57pm	9:30pm	1:3	PLAY		FRIENDS_FACTS.stdf

FIG. 33B

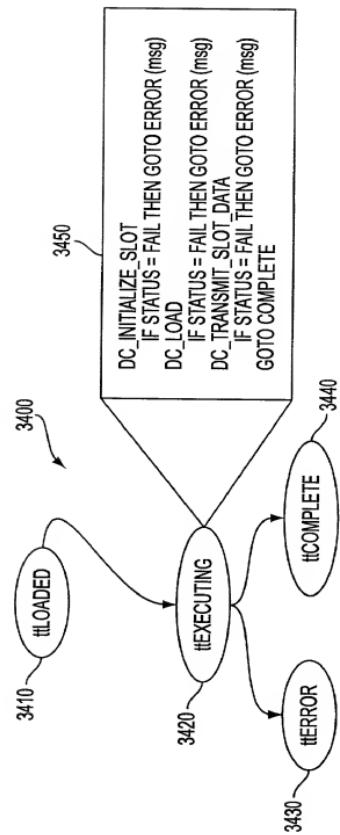


FIG. 34